

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>022727-0129</b>  U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/532156</b>
INTERNATIONAL APPLICATION NO. <b>PCT/US03/33316</b>	INTERNATIONAL FILING DATE <b>21 October 2003 (21.10.2003)</b>	PRIORITY DATE CLAIMED <b>21 October 2002 (21.10.2002)</b>
TITLE OF INVENTION <b>CATHETER AND RADIOFREQUENCY COIL WITH ANNULAR B1 FILED</b>		
APPLICANT(S) FOR DO/EO/US <b>Jerome L. ACKERMAN and Van J. WEDEEN</b>		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)) (**unexecuted**) (**3 sheets**);
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5))

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: **Transmittal Letter (2 sheets in duplicate); PCT International Published Application (WO 2004/038442) (without International Search Report) (60 sheets); Cover sheet of PCT International Published Application (WO 2004/038442) (with International Search Report) (8 sheets); PCT Written Opinion (20 sheets); PCT International Preliminary Examination Report (19 sheets); Certificate of Express Mailing (1 sheet); Check (\$1775) based on SMALL entity; and Return Postcard.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, use 37 CFR 1.52) <b>10/532156</b>		INTERNATIONAL APPLICATION NO. <b>PCT/US03/33316</b>		ATTORNEY'S DOCKET NUMBER <b>022727-0129</b>	
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21.	<input checked="" type="checkbox"/>	Basic national fee .....	\$300	\$ 300.00	
22.	<input checked="" type="checkbox"/>	Examination fee			
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) .....				\$100	
All other situations .....				\$200	
23.	<input checked="" type="checkbox"/>	Search fee			
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....				\$100	
International Search Report prepared and provided to the Office .....				\$400	
All other situations .....				\$500	
<b>TOTAL OF 21, 22 and 23 =</b>				<b>\$ 1,000.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	51 - 20 =	31	x 50.00	\$ 1,550.00	
Independent claims	8 - 3 =	5	x 200.00	\$ 1,000.00	
MULTIPLE DEPENDENT CLAIM(s) (if applicable)				\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 3,550.00</b>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$ 1,775.00	
<b>SUBTOTAL =</b>				<b>\$ 1,775.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).				\$	
<b>TOTAL NATIONAL FEE =</b>				<b>\$ 1,775.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 1,775.00</b>	
				Amount to be refunded:	\$
				Amount to be charged:	\$
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1,775.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>141449</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p>					
<p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p><b>William C. Geary III</b>  <b>NUTTER MCCLENNEN &amp; FISH LLP</b>  <b>World Trade Center West</b>  <b>155 Seaport Boulevard</b>  <b>Boston, Massachusetts 02210-2604</b>  <b>(617)439-2766</b>  <b>CUSTOMER NUMBER: 021125</b></p>					
				SIGNATURE	
				<b>Reza Mollaaghababa</b>	
				NAME	
				<b>43,810</b>	
				REGISTRATION NUMBER	

**UNITED STATES PATENT OFFICE**

Applicant(s):	<b>Jerome L. ACKERMAN and Van J. WEDEEN</b>
Application No:	<b>Not yet Assigned</b>
Filed:	<b>Herewith</b>
Entitled:	<b>CATHETER AND RADIOFREQUENCY COIL WITH ANNULAR B1 FILED</b>
Agent's File Reference:	<b>22727-129</b>

Certification under 37 CFR 1.10

Attention Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I hereby certify that the following documents are being deposited with the United States Postal Service using "Express Mail Post Office to Addressee" service, Mailing Label No. **EV 323 624 395 US**, under 37 CFR 1.10 on the date indicated below and addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450:

- (1) Transmittal Letter (2 sheets in duplicate);
- (2) Declaration, Petition and Power of Attorney (unexecuted) (3 sheets);
- (3) Copy of PCT International Published Application (WO 2004/038442)  
(without International Search Report attached) (60 sheets);
- (4) Copy of Cover sheet of PCT International Published Application (WO 2004/038442)  
(with International Search Report) (8 sheets);
- (5) Copy of PCT Written Opinion (20 sheets);
- (6) Copy of PCT International Preliminary Examination Report (19 sheets);
- (7) Check (\$1775) based on SMALL entity status;
- (8) Certificate of Express mailing (1 sheet); and
- (9) Return Postcard.

**20 April 2005**

Date

  
Name: **Reza Mollaaghababa**